



DEPARTMENT OF WATER RESOURCES  
EXAMINATION ANNOUNCEMENT



The Department of Water Resources offers Equal Opportunity for all regardless of race, color, creed, national origin, ancestry, sex, marital status, disability, religious or political affiliation, age, or sexual orientation.

It is an objective of the State of California to achieve a drug-free State workplace. Any applicant for State employment will be expected to behave in accordance with this objective because the use of illegal drugs is inconsistent with the law of the State, the rules governing civil service and the special trust placed in public servants.

MECHANICAL ENGINEER  
OPEN STATEWIDE

CONTINUOUS FILING	Applications will be accepted on a continuous basis. Testing is considered continuous, as new test dates can be set at any time as departmental needs warrant. Each new cut-off (final filing) date will be publicized to ensure that applicants have adequate time to complete and submit an application. Revised applications (STD 678 REV. 06/2010) must be RECEIVED OR POSTMARKED no later than the cut-off date posted on the "Notice to Announce Cut-Off Date." FAXED OR E-MAILED APPLICATIONS WILL NOT BE ACCEPTED. Applications postmarked after the cut-off date or personally delivered after 5:00 P.M. on the cut-off date will be held for the next administration of the examination.	
WHO SHOULD APPLY	This is an open examination. Candidates who meet the minimum qualifications as stated below may apply for this examination.	
HOW TO APPLY	Examination Applications (Form STD 678 Rev. 6/2010) may be mailed or submitted in person.	
	<b>MAILING ADDRESS:</b>  Department of Water Resources P.O. Box 942836 Sacramento, CA 94236-0001	<b>SUBMIT IN PERSON:</b>  Department of Water Resources 1416 9th Street, Room 320 Sacramento, CA 95814
	<b>DO NOT SEND APPLICATIONS TO THE DEPARTMENT OF HUMAN RESOURCES OR DEPARTMENT OF WATER RESOURCES' FIELD OFFICES.</b> Applications are available at Department of Water Resources' (DWR) offices, the DWR website: <a href="http://www.water.ca.gov/jobs/currentexams.cfm">www.water.ca.gov/jobs/currentexams.cfm</a> , local office of the Employment Development Department, the Department of Human Resources (CalHR), and their website: <a href="http://www.jobs.ca.gov">www.jobs.ca.gov</a>	
IDENTIFICATION REQUIRED	Accepted applicants are required to bring either a photo identification card or two forms of signed identification to each phase of the examination.	
SPECIAL TESTING ARRANGEMENTS	If you have a disability and need special testing arrangements, mark the appropriate box in Question 2 of the "Application for Examination". You will be contacted to make specific arrangements.	
SALARY RANGE	Range A: \$4608 - \$5334  Range B: \$5276 - \$6409	Range C: \$6103 - \$7413  Range D: \$6897 - \$8379
ELIGIBLE LIST INFORMATION	An open statewide merged list will be established for the Department of Water Resources. Successful competitors will be merged onto the list in order of final score, regardless of date. The successful competitors' list eligibility will expire 12 months after it is established unless the needs of the service and conditions of the list warrant a change in this period. Competitors must then retest to re-establish eligibility.	
EXAMINATION DATES	The entire examination will consist of a Qualifications Appraisal Panel Interview.	
TESTING PERIOD	The testing period for this classification is 12 months. Once you have taken the examination, you may not re-apply for 10 months.	
REQUIREMENTS FOR ADMITTANCE TO THE EXAMINATION	NOTE: All applicants must meet the minimum qualifications for this examination by the cut-off date.  Education: Graduation from a curriculum in mechanical engineering accredited by the Engineers' Council for Professional Development, or equivalent qualifications. (Registration as a Senior in such a curriculum will admit applicants to the examination, but they must produce evidence of graduation before they will be considered eligible for appointment.)  OR  Possession of equivalent qualifications may be demonstrated by qualifying in a written examination covering basic mechanical engineering and by graduation from an engineering curriculum which includes the engineering courses normally included in a standard four-year course in mechanical, chemical, or industrial engineering. (Registration as a Senior in such a curriculum will admit applicants to the qualifying written examination, but they must produce evidence of graduation before they will be considered to meet the minimum qualifications.)	
WRITTEN TEST WAIVER	The written test will be waived for applicants who are "seniors" in or who have graduated from a curriculum in Mechanical Engineering accredited by the Engineers' Council for Professional Development, or equivalent qualifications. Individuals who have passed the Mechanical Engineer written test within the past 12 months will not be scheduled for the written examination. Also, individuals possessing an Engineer-in-Training Certificate will not be required to take the written examination.	
EXAMINATION INFORMATION	This examination will consist of a <b>Qualifications Appraisal Interview – Weighted 100%</b> . In order to obtain a position on the eligible list, a minimum rating of 70% must be attained in the interview. <b>COMPETITORS WHO DO NOT APPEAR FOR THE INTERVIEW WILL BE DISQUALIFIED.</b>	

SEE REVERSE SIDE FOR ADDITIONAL INFORMATION

POSITION DESCRIPTION	A Mechanical Engineer, under direction, performs less complex field and office mechanical engineering work. Incumbents typically perform design calculations, equipment selection, cost estimates and layouts, write technical specifications for mechanical portions of projects such as turbines, pumps, valves and other associated hydroelectric equipment; make field inspections of material and equipment and supervise the installation of mechanical equipment.
SCOPE OF EXAMINATION	<div>Written Test – Weighted Pass/Fail (If Applicable)</div> <div>Scope: A. Knowledge of: 1. Mechanical Engineering Fundamentals.</div> <div>NOTE: Aids, such as slide rules or pocket calculators will not be allowed in this examination.</div> <div>Qualifications Appraisal Interview – Weighted 100%</div> <div>Scope: A number of pre-determined job related questions will be asked in order to test each competitor's:  A. Knowledge of: 1. Engineering fundamentals and mathematics. 2. General design, layout, and specification writing for pumps, motors, valves, cranes, and other mechanical equipment including heating, ventilation and air conditioning (HVAC). 3. Principles of fluid flow, heat transfer, machine design, thermodynamics, and hydraulics. 4. Various codes and standards governing the design and installation of mechanical equipment. 5. Methods of fabrication relating to mechanical equipment.  B. Ability to: 1. Perform mechanical design work. 2. Make correct computations and cost estimates. 3. Prepare effective oral and written reports. 4. Prepare computer aided designs; drawings and technical sketches. 5. Specify proper equipment and materials. 6. Accurately interpret drawings and specifications. 7. Perform field inspections and tests of mechanical installations. 8. Maintain cooperative relations with others. 9. Analyze situations accurately and take effective action.</div>
VETERANS PREFERENCE	Veterans Preference Credit will be added to the final score of all competitors who qualify for and have requested these points from the State Personnel Board and who are successful in all parts of the examination. Due to changes in the law, which were effective January 1, 1996, VETERANS WHO HAVE ACHIEVED PERMANENT CIVIL SERVICE STATUS ARE NOT ELIGIBLE TO RECEIVE VETERANS' CREDITS.

GENERAL INFORMATION

The Department of Water Resources reserves the right to revise the examination plan to better meet the needs of the service if the circumstances under which this examination was planned change. Such revision will be in accordance with civil service laws and rules and all competitors will be notified.

For any examination without a written feature it is the candidate's responsibility to contact the Selection Services Section of the Department of Water Resources, (916) 653-4838 three weeks after the final filing date if he/she has not received a progress notice.

Applications are available at Department of Water Resources' (DWR) offices, the DWR website: [www.water.ca.gov/jobs/currentexams.cfm](http://www.water.ca.gov/jobs/currentexams.cfm), local office of the Employment Development Department, the State Personnel Board (SPB), and the SPB website: [www.jobs.ca.gov/jobs](http://www.jobs.ca.gov/jobs).

If you meet the requirements stated on the reverse, you may take this examination, which is competitive. Possession of the entrance requirement does not assure a place on the eligible list. All candidates who pass will be ranked according to their scores.

General Qualifications: Candidates must possess essential personal qualifications including integrity, initiative, dependability, good judgment, and ability to work cooperatively with others; and a state of health consistent with the ability to perform the assigned duties of the classification.

If a candidate's notice of oral interview fails to reach him/her prior to the day of the interview due to a verified postal error, he/she will be rescheduled upon written request.

Eligible Lists: Eligible lists established by competitive examination, regardless of date, must be used in the following order: 1) sub-divisional promotional, 2) departmental promotional, 3) multi-departmental promotional, 4) service-wide promotional, 5) departmental open, 6) open eligible list. When there are two lists of the same kind, the older must be used first. Eligible lists will expire in one to four years unless otherwise stated on this bulletin. In the case of continuous testing examinations, names are merged into the appropriate lists in order of final test scores (except as modified by veterans preference credits) regardless of the date of the test, and the resulting eligible lists will be used only to fill vacancies in the area shown on the bulletin.

TDD is Telecommunications Device for the Deaf and is reachable only from phones equipped with a TDD Device.  
California Relay Telephone Service for the Deaf or hearing impaired: From TDD phones: 1-800-735-2929; From Voice phones: 1-800-735-2922.

For information regarding this examination, please contact Brandon Littlejohn at (916) 653-7109.